

Approved For Release 2002/10/31 : CIA-RDP89B00980R000300020009-1		ENGINEERING STUDY	
Lockheed Aircraft Corp.		CHANGE PROPOSAL <input checked="" type="checkbox"/>	LAC - 21
DATE 4-6-59		AFFECTS : WSPO <input checked="" type="checkbox"/>	PROJECT <input checked="" type="checkbox"/>
NAME OF MAJOR COMPONENT Q-198 & Q-207 Kit Assems.	PART OR LOWEST SUBASSEMBLY Handle Assembly	PART NO. & MODEL OR TYPE	
TITLE OF PROPOSAL : Emergency Oxygen Release Assembly - Automatic & Manual			
NATURE OF PROPOSAL : Furnish new handle assembly (green apple) with button type fastener for attaching to cable housing. Ref: Firewall Service Bulletin No. 6.  NOTE: LAC does not concur in the need for this change. To our knowledge there has never been an occasion when the condition stated under "Purpose" has occurred. If the change is approved, it will be issued as an LAC Bulletin, not as a Firewall Bulletin.			
REASON FOR PROPOSAL : To provide for retention of handle assembly to cable housing, thus preventing the possibility of handle being accidentally pulled during handling, thereby exhausting the emergency oxygen supply.			
ES	ESTIMATED COST AND TIME INVOLVED : -		
	ADDITIONAL FUNDING REQUIRED : - STATINTL		
CP	ESTIMATED COST FOR KITS OR PARTS : <span style="border: 1px solid black; padding: 0 20px;"> </span>		
	ADDITIONAL FUNDING REQUIRED : None (SP-1917)		
ITEMS AFFECTED BY PROPOSAL :			
SAFETY <input type="checkbox"/>	MISSION EFFEC- TIVENESS <input checked="" type="checkbox"/>	PERFORM- ANCE <input type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>
INTER- CHANGE- ABILITY <input checked="" type="checkbox"/>	WEIGHT OR WEIGHT & BALANCE <input type="checkbox"/>	TOOLS & SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTENANCE PROCEDURE <input type="checkbox"/>
SERVICE LIFE <input type="checkbox"/>	FLIGHT MANUAL <input type="checkbox"/>	MAINTENANCE MANUAL <input type="checkbox"/>	
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD 1 hr.			
SOURCE OF PARTS FOR KIT LAC		AVAILABILITY 4 WEEKS AFTER APPROVAL	
DISPOSITION OF SPARES AFFECTED Scrap			ILLEGIB
INITIATED BY : Firewal		DIS	APPROVED : WSPO <span style="border: 1px solid black; padding: 0 20px;"> </span> PROJECT 4/27/59

## DESCRIPTION OF CHANGE (cont.)

4. Apply D. C. and A. C. Power to the equipment.
5. Operate the P-2 Platform.
6. Testing the Adjustment of the Pressure Switch.
  - 6.1 Observe the altitude on the GH-222 Test Altimeter when the A. C. Motor starts to operate.
  - 6.2 The Altitude should be  $15.5M \pm 500$  feet.
  - 6.3 If the A. C. Motor does not start within the altitude tolerance of  $\pm 500$  feet--- re-adjust the #2 microswitch until the desired operation is obtained.
  - 6.4 Turn the knob of the GH-222-13 Valve Adaptor very slowly while attempting to determine starting altitude of the A. C. Motor.  
If the knob is turned too rapidly, an erroneous altitude reading will be obtained.

NOTE: Avoid ground test areas where a wind of 5 m. p. h. or more exists. Wind across the GH-222-13 Valve will produce erratic altimeter readings.

- 6.5 Recheck altitude twice after pressure switch setting has been determined.
- 6.6 Replace #2 dust cover screw and safety wire.
7. Re-identification of the Absolute Pressure Switch.  
  
The new number (is) 4152B-31-16-A  
The old number(was) 4152B-31-16  
  
Add the -A to the part number 4152B-31-16 on the Nameplate by metal stamping. The Nameplate is on the Mounting Strap. Remove the Pressure Switch from it's mounting strap before stamping the Nameplate in order to prevent internal damage to the pressure switch.  
  
Also add -A by rubber stamp to the rubber stamped part number on the Pressure Switch itself.
8. Spare 4152B-31-16 Absolute Pressure Switches are to be returned to the Contractor for rework and re-identification as 4152B-31-16A

DESCRIPTION OF CHANGE (cont.)

9. Summary of Operational Altitudes for the Pressure Switch

Switch Section	Pressure Switch Ground Check Altitude	Pressure Switch Flight Altitude Actuation	Lowest Operational Altitude without Switch Hunting
#2 Section After Adjustment	15.5 M $\pm$ 500'	19 M $\pm$ 500'	20M
#1 Section (DO NOT DISTURB) #1 Microswitch	Base $\pm$ 500'	Base + 5M	Base + 6M

PRELIMINARY